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SEG news release

Society of Exploration Geophysicists

FOR IMMEDIATE RELEASE

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MONTHLY SEISMIC CREW COUNT

(Month of August, 1989)

According to the Society of Exploration Geophysicists' latest report, the number of seismic land crews and marine vessels searching for oil and gas in the U.S. and U.S. waters increased (for the second consecutive month) during the month of August. The land crew total increased by three to 110, and the marine crew increased by four for a net increase of seven crews to a total of 136.

The August total (136) represents an increase of 5% over last month, a 28% decrease from August, 1988, a 27% decrease from August, 1987, an 13% decrease from August, 1986, a 65% decrease from August, 1985, **a 74% decrease from August, 1984**, and a decrease of 72% from the same month in 1983.

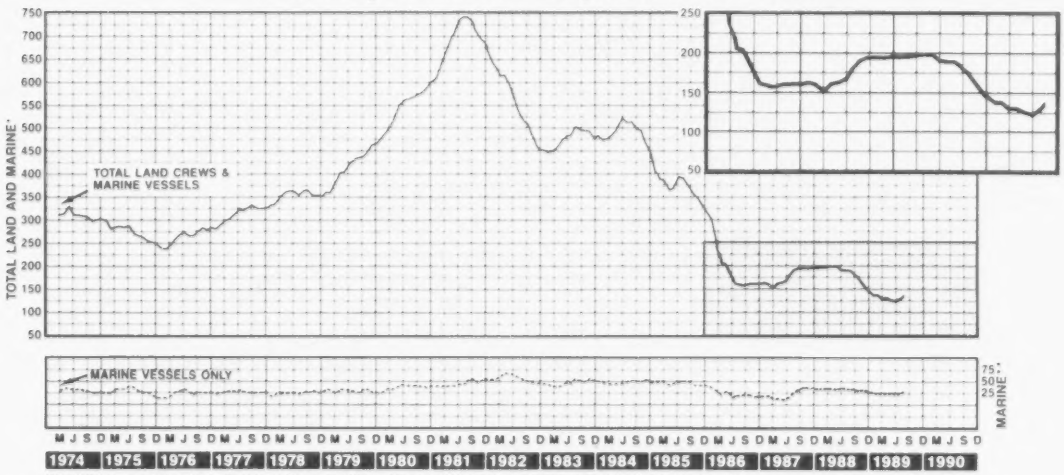
During August, two contractors were operating two of the 100 land crews and none of the twenty-three marine vessels on a speculative basis.

TOTAL LAND & MARINE CREWS:	This Month	Last Month	Aug.'88	Aug.'87	Aug.'86	Aug.'85	Aug.'84	Aug.'83
	136	129	188	187	156	390	523	484

	LAND CREWS								MARINE VESSELS							
	This Mo.	Last Mo.	Aug. 1988	Aug. 1987	Aug. 1986	Aug. 1985	Aug. 1984	Aug. 1983	This Mo.	Last Mo.	Aug. 1988	Aug. 1987	Aug. 1986	Aug. 1985	Aug. 1984	Aug. 1983
36 Contr's:	100	98	141	145	120	308	433	396	23	18	27	25	16	42	45	43
6 Oil Co's:	10	9	15	14	17	33	37	39	3	3	4	3	3	6	7	6
1 Gov't:	0	0	0	0	0	0	0	0	0	1	1	0	0	1	1	0
TOTALS	110	107	156	159	137	341	470	435	26	22	32	28	19	49	53	49

SEISMIC CREW COUNT

(The leading indicator of oil and gas exploration activity.)


TOTAL LAND AND MARINE*
TOTAL LAND CREWS & MARINE VESSELS
MARINE VESSELS ONLY
MARINE**
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1974 1975 1976 1977 1978 1979 1980 1981 1982 1983 1984 1985 1986 1987 1988 1989 1990

*Use left hand vertical scale for Total Land Crews and Marine Vessels. **Use right hand vertical scale for Marine Vessels only.

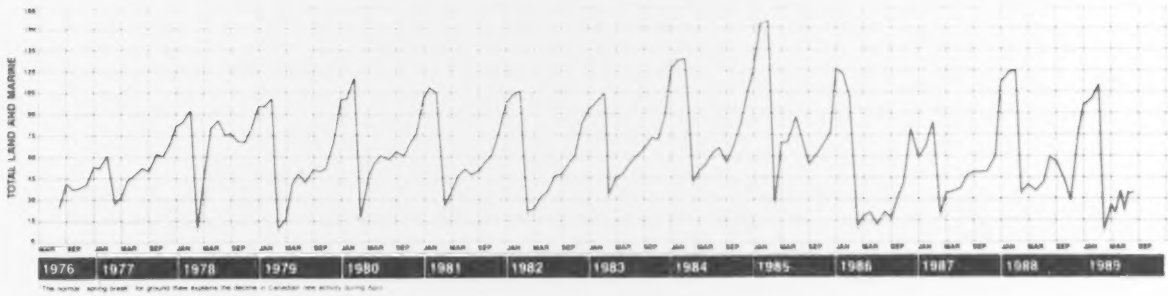
*Results of SEG's Seismic Crew Count of land and marine vessels engaged in exploration for oil and gas in the USA and USA waters, including Alaska, for the month indicated. These figures are compiled from data reported by oil companies operating company-owned seismic exploration crews and vessels and by contract seismic exploration companies. Special significance is attached to seismic crew activity since it is recognized as the leading indicator of all petroleum exploration activity.

CANADIAN SEISMIC CREW COUNT

August, 1989 (July figures in parentheses)

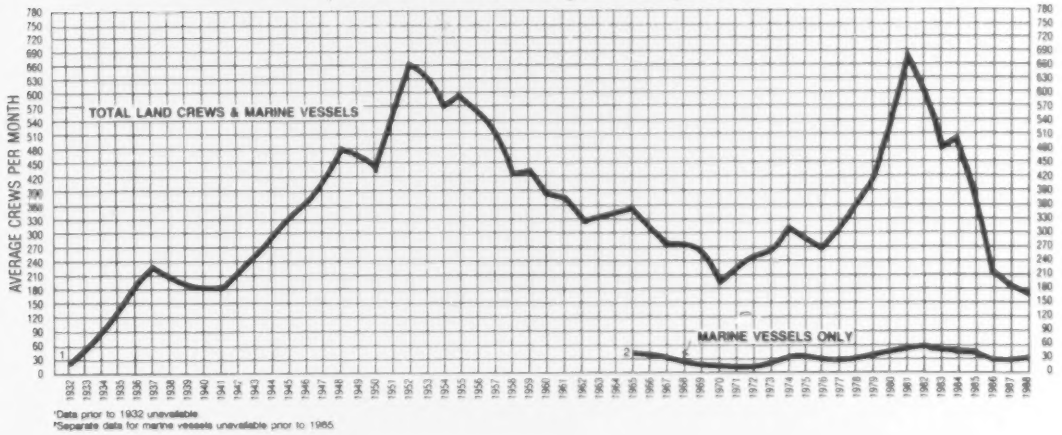
	Land Crews	Marine Crews
20 Contractors:	30 (34)	3 (0)
1 Oil Company:	1 (1)	0 (0)
Totals:	31 (35)	3 (0)

CANADIAN SEISMIC CREW COUNT
(The leading indicator of oil and gas exploration activity.)



SEG's monthly USA Seismic Crew survey was instigated in 1974 at the request of the United States' Federal Energy Administration. The report is currently submitted to the U.S. Department of Energy.

HISTORY OF SEISMIC EXPLORATION IN THE UNITED STATES
(Seismic crews searching for oil & gas.)



[1]Data prior to 1932 unavailable
[2]Separate data for marine vessels unavailable prior to 1985